ksi Video

MissionKeeper Overview

FMV Sharing, Reporting and Analytic Platform

About ksi Video

We have entertainment industry and DoD experience:

- Founder of EchoStorm – Pioneered the first net-centric UAV Video capture and dissemination tool for the DoD and Coalition Partners, as well as DHS

- Spent **10 years managing UAS FMV** in Iraq and Afghanistan (and other garden spots in the world)

- Founders of Columbus Entertainment – delivered online production management systems for film and TV

- Jason was Director of Video Engineering for Cox Communications – created Cox TV Connect – streams 500+ channels of live TV to 6M Cox Cable customers on iOS devices (iPhones and iPads), Xbox, Android device, PC or Mac arriving later in 2013

A Whole New Market

- **_The Compelling Event:_** On February 6th, 2012, Congress approved the **FAA Reauthorization Act**, paving the way for Unmanned Aircraft Vehicle (UAV) flights over the United States for the first time

  By 2015, The FAA has to start allowing commercial use of UAV access over U.S. airspace (currently reserved for manned aircraft)

Everyone is getting drones, even the bad guys.

Drone tries to sneak contraband into Georgia prison

...eath from the skies in remote regions of Pakistan and ...of drone operators has failed in an attempt to use an ...op a deadly substance into a South Georgia prison.

...rested in Morgan, Ga. last week after a corrections ...ate Prison saw a small remote-controlled helicopter ...son yard, apparently attempting to deliver something to ...

...h County Sheriff Josh Hilton, after an hour-long search, ...Dodge with plates from Gwinnett County on a street in ...nnett County is in suburban Atlanta, more than 200 ...n.

...sent to search the car, we found the helicopter and I ...ow much it was but probably about one or two pounds ...' Hilton told WALB-TV, the NBC News affiliate in Albany,

...ter was found with a Spektrum DX-6i remote control ...r of binoculars, which authorities believe were meant to ...craft as it flew over the prison to deliver tobacco. ...t the suspects were planning to call their intended...

COLUMBIA DAILY TRIBUNE — COLUMBIA, MISSOURI —   **News**

MONDAY, FEBRUARY 17, 2014

NEWS   SPORTS   SECTIONS

Search

RSS

Home ▸ News ▸ Perspectives

Font Size: – +

Media drone use bumps up against lack of regulation

Sunday, February 16, 2014 at 2:00 am

HARTFORD, Conn. (AP) — As police responded to a deadly car crash, they noticed an increasingly familiar sight: a remote-controlled aircraft, equipped with a video camera, hovering over the wreckage.

The Federal Aviation Administration has opened an investigation of the drone, which was used by an on-call employee for a Connecticut television station. The FAA is developing new rules as the technology makes drones far more versatile, but for now operators can run afoul of regulations by using them for commercial purposes, including journalism.

> The case of the Hartford crash, in which the victim's body was left hanging out of a mangled car, highlights some of the safety, privacy and ethical issues journalists will wrestle with as interest grows in using drones for newsgathering.
>
> "Here was a dead body still on the scene. We had covered it the best we could," said Lt. Brian Foley, a Hartford police spokesman, who said

---

Police: Man sent up drone to view fatal crash scene

Connecticut police say the FAA is investigating a drone equipped with ...at appeared over the scene of a car crash. Was it being ...mmercial or even journalistic purposes?

...ris Matyszczyk | February 7, 2014 1:59 PM PST

...llow   Get email alerts

197   in 33   g+1 15   More +   Comments 47

a small helicopter?
...ecticut screenshot by Chris Matyszczyk/CNET)

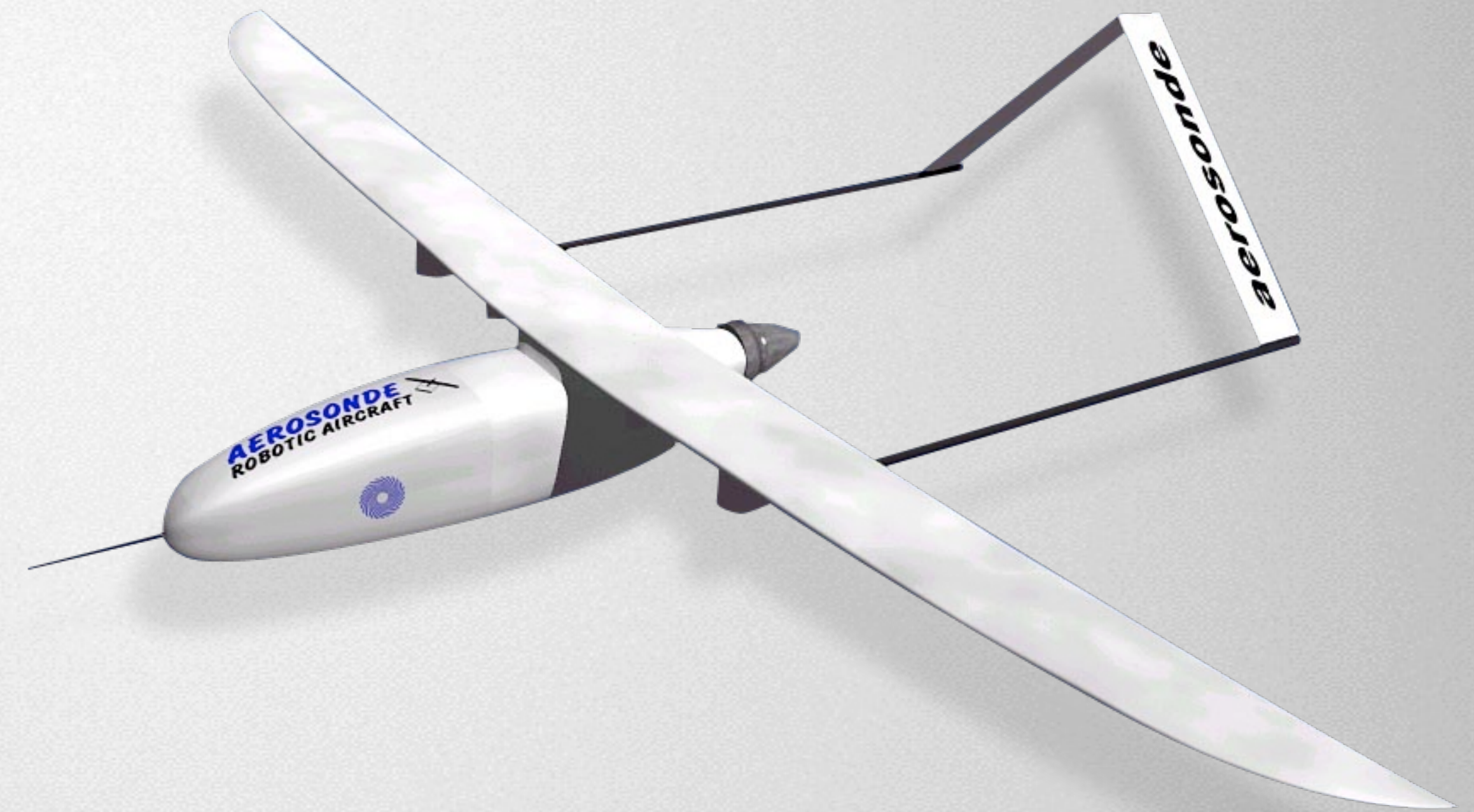...indication of who might have been responsible.

Legal Concerns
Privacy and 4th Amendment Rights

Data Privacy, Protection, Chain-of-Custody and Auditability

Law Enforcement must be vocal and proactive to alleviate fear from the general public

- Data Privacy

- Rules of Evidence

- Search-and-Seizure

- Court Admissibility

- Right-to-Privacy

Cyber Concerns
Data Integrity and Access

Drone data is a hackers wet dream, don't want the data showing up on YouTube…

- Access Controls

- Encryption

  - Data-at-rest (storage)

  - Data-in-transit (moving over a network)

The UAS Video and Data Management Problem has Evolved...

- It's a big data problem now.

- It's not just about the video.

- How do we sift through the data?

- What analytical tools are available to process the data?

The Market

- **First responders**
  - Police – 18,000 police departments covering over 3.5 million square miles
  - Fire - night time forest fire fighting – situational awareness
- **Precision Agriculture** - (300m acres used for crops)
- **Utility remote inspection**
  - Oil and Gas pipelines (Nearly 500K miles)
  - Electrical cables (Over 150K miles of high voltage cable)
- **Real Estate**
- **Protected area management** - (Over 1m square miles)
- **Transport Infrastructure Inspection** - (600K bridges alone)

Contact Info

Jason Barton

KSI Video

mobile: (757) 535-7930

jason@ksivideo.com

twitter: @jasonbarton